

PROPOSAL ABSTRACT

Applicant Name: Greenway Service District

Project Title: Silver Bow Creek Greenway

Project Description and Benefits to Restoration:

Funding to plan, design, construct, and monitor restoration improvements within the Silver Bow Creek Corridor (see Figure 1) concurrent with remedial work. Restoration design submittals and expenditures will correspond with progress and work plans for ongoing remedial actions.

The proposal presents a broad discussion of the 26-mile project and a detailed **two-year funding request of \$1,367,715 for Year 1 (2008) and \$743,478 for Year 2 (2009)** for:

- 1) Restoration components in Subarea 3 and 4 (see Figures 2 and 3) and;
- 2) Installation of four pedestrian bridges in concert with stream reconstruction in Subarea 4 (location to be determined by DEQ stream design);
- 3) Land acquisition planning throughout Silver Bow Creek Corridor and purchase of Golden Technologies Property in Subarea 4 (see Figure 4); and
- 4) Ecological improvements in Subarea 1 to enhance habitat recovery; and
- 5) Monitoring and Maintenance of ecological restoration elements in Subarea 4.

The project is directly consistent with the stipulations of the SSTOU Record of Decision and is based on the applicant's preliminary design plan (1997) to develop a sound strategy for restoration enhancements, protection and beneficial use of the Silver Bow Creek Corridor.

The project will restore and protect natural resources that suffered severe and widespread injury as a result of area mining, begin to replace those lost or impacted services within the corridor, and assure that these restorative components are protected through management of the Silver Bow Creek Greenway.

Major tasks include:

- Design and construct in-stream habitat improvements to accelerate restoration of a self-sustaining fishery;
- Amend soils with organic matter to accelerate growth, vigor, and stability of vegetation;
- Plant additional varieties and quantities of native plant species to enhance and improve aquatic and terrestrial ecosystems;
- Coordinate installation of pedestrian bridges with stream reconstruction to protect remedy; and

Acquire or otherwise protect property to provide controlled public access and to protect the remediated/restored areas.

TABLE 1 - DETAILED 2007 GRANT COST ESTIMATE, 2008 FUNDING

2008 FUNDING:

Area / Item Description	Quantity	Unit	Unit Price	Total	Notes
PREFAB. BRIDGES, SA 4 Phase 6/7					
75' span, 12' wide	2	EA	\$93,000.00	\$186,000.00	Engineers estimate, typical foundation conditions
Subtotal				\$186,000.00	
LAND ACQUISITION					
Additional Planning Money	1	LS	\$100,000.00	\$100,000.00	Applies to all areas of the OU
Potential Golden Technologies Purchase	131	Acres	\$1,000.00	\$131,000.00	Fee Title or Easement, Maximum Potential Amount
Subtotal				\$231,000.00	
ECOLOGICAL AND HABITAT IMPROVEMENTS					
Subarea 1					
Opportunistic Ecological Improvements	1	LS	\$35,000.00	\$35,000.00	Misc Opportunistic Improvements
Subarea 3					
Organic Matter/Soil Amendment	120	Acres	\$1,500.00	\$180,000.00	Based on Phase 3 and Phase 4 costs
Plantings	30	Acres	\$2,500.00	\$75,000.00	1/4 of total area
Enhanced Plant Palette (seeding)	120	Acres	\$400.00	\$48,000.00	Based on Phase 3 and Phase 4 costs
Stream Habitat	10,560	LF	\$7.00	\$73,920.00	estimate 2 miles
Subarea 4 - Phase 6 Area					
Organic Matter/Soil Amendment	107	Acres	\$1,500.00	\$160,500.00	Based on Phase 3 and Phase 4 costs
Plantings	27	Acres	\$2,500.00	\$66,875.00	1/4 of total area
Enhanced Plant Palette (seeding)	107	Acres	\$400.00	\$42,800.00	Based on Phase 3 and Phase 4 costs
Stream Habitat	8,597	LF	\$7.00	\$60,179.00	Estimated from Design Development Report (DEQ 2006)
Subtotal				\$742,274.00	
MONITORING AND WEED CONTROL					
Revegetation Monitoring	1	LS	\$0.00	\$0.00	None required in 2008
Weed Control	1	LS	\$25,000.00	\$25,000.00	Based on Reach F and G estimate, plus inflation
Subtotal				\$25,000.00	
DESIGN					
Access Features Design (15%)	1	LS	\$27,900.00	\$27,900.00	Investigation, Design, and Construction Oversight
Ecological Features Design (5%)	1	LS	\$37,113.70	\$37,113.70	Includes Coordination Cost Savings
Subtotal				\$65,013.70	
2008 Cost Totals					
Subtotals					
Access Features and Land Acquisition				\$417,000.00	
Ecological and Habitat Improvements				\$742,274.00	
Monitoring and Weed Control				\$25,000.00	
Contingency (5%)				\$59,213.70	
Project Administration and Oversight (5%)				\$59,213.70	GSD costs
Design				\$65,013.70	Percentages provided above
TOTAL 2008 COSTS				\$1,367,715.10	

TABLE 1A - DETAILED 2007 GRANT COST ESTIMATE, 2009 FUNDING

2009 FUNDING:

Area / Item Description	Quantity	Unit	Unit Price	Total	Notes
PREFAB. BRIDGES, SA 4 Phase 7/8					
75' span, 12' wide	2	EA	\$93,000.00	\$186,000.00	Engineers estimate, typical foundation conditions
Subtotal				\$186,000.00	
ECOLOGICAL AND HABITAT IMPROVEMENTS					
Subarea 4 - Phase 7 Area					
Organic Matter/Soil Amendment	108	Acres	\$1,500.00	\$162,000.00	Based on Phase 3 and Phase 4 costs
Plantings	27	Acres	\$2,500.00	\$67,500.00	1/4 of total area
Enhanced Plant Palette (seeding)	108	Acres	\$400.00	\$43,200.00	Based on Phase 3 and Phase 4 costs
Stream Habitat	14,270	LF	\$7.00	\$99,890.00	Estimated from Design Development Report (DEQ 2006)
Subtotal				\$372,590.00	
MONITORING AND WEED CONTROL					
Revegetation Monitoring	1	LS	\$50,000.00	\$50,000.00	Based on Anticipated costs provided by NRDP and DEQ
Weed Control	1	LS	\$25,000.00	\$25,000.00	
Subtotal				\$75,000.00	
DESIGN					
Access Features Design (15%)	1	LS	\$27,900.00	\$27,900.00	Investigation, Design, and Construction Oversight
Ecological Features Design (5%)	1	LS	\$18,629.50	\$18,629.50	Includes Coordination Cost Savings
Subtotal				\$46,529.50	
2009 Cost Totals					
Subtotals					
Access Features and Land Acquisition				\$186,000.00	
Ecological and Habitat Improvements				\$372,590.00	
Monitoring and Weed Control				\$75,000.00	
Contingency (5%)				\$31,679.50	
Project Administration and Oversight (5%)				\$31,679.50	GSD costs
Design				\$46,529.50	Percentages provided above
TOTAL 2009 COSTS				\$743,478.50	

TOTAL GRANT FUNDING REQUEST:

COMPLETE GRANT APPLICATION TOTALS					
Access Features and Land Acquisition				\$603,000.00	
Ecological and Habitat Improvements				\$1,114,864.00	
Monitoring and Weed Control				\$100,000.00	
Contingency (5%)				\$90,893.20	
Project Administration and Oversight (5%)				\$90,893.20	GSD costs
Design				\$111,543.20	
TOTAL				\$2,111,193.60	